

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,003,222 B1
APPLICATION NO. : 10/649965
DATED : February 21, 2006
INVENTOR(S) : Murakami

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims:

In Claim 1 (col. 20, line 60), please delete "one of".

In Claim 1 (col. 20, lines 60-61), please delete "and a set value of the stop".

In Claim 1 (col. 20, line 63), please delete "one of".

In Claim 1 (col. 20, lines 63-64), please delete "and the set value of the stop".

In Claim 1 (col. 21, line 6), please replace "becomes less than" with --becomes equal to or less than--.

In Claim 2 (col. 21, line 14), please replace "at at a target" with --at a target--.

In Claim 4 (col. 21, line 32), please replace "zooming" with --zooming--.

In Claim 4 (col. 21, line 38), please delete "one of".

In Claim 4 (col. 21, line 50), please replace "predetermined" with --predetermined--.

In Claim 5 (col. 21, line 59), please replace "from time" with --from the time--.

In Claim 5 (col. 21, line 66), please replace "length by" with --length detected by--.

In Claim 6 (col. 22, line 1), please replace "apparatuw" with --apparatus--.

In Claim 6 (col. 22, line 4), please delete "closer to a wide angle".

In Claim 8 (col. 22, line 22) please replace "select" with --selects--.

In Claim 9 (col. 22, line 31), please replace "predetermined" with --predetermined--.

In Claim 9 (col. 22, line 42), please replace "decelerated" with --deceleration--.

In Claim 10 (col. 22, line 57), please replace "predetermined" with --predetermined--.

In Claim 10 (col. 22, line 60), please replace "predetermined" with --predetermined--.

In Claim 11 (col. 23, line 1), please replace "narrow" with --narrowed--.

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In Claim 11 (col. 23, line 3), please replace "aperture is" with --aperture value is--.

In Claim 12 (col. 23, line 15), please replace "include" with --includes--.

In Claim 12 (col. 23, line 17), please replace "by the detector" with --by the state detector--.

In Claim 13 (col. 23, line 21), please replace "predetermined" to --predetermined--.

In Claim 17 (col. 24, line 7), please replace "deceleration for" with --decelerated for--.

In Claim 17 (col. 24, line 8), please replace "rate when" with --rate smaller than a deceleration rate when--.

In Claim 17 (col. 24, line 8), please replace "aperture is on a" with --aperture value is on an--.

In Claim 17 (col. 24, line 10), please replace "to of" with --to or--.

In Claim 18 (col. 24, line 12), please replace "which, the" with --which, when the--.


In Claim 19 (col. 24, line 20), please replace "systems" with --system--.

In Claim 20 (col. 24, line 43), please replace "a opened side" with --an opened side--.

In Claim 23 (col. 24, line 52), please replace "lens a diaphragm" with --lens and a diaphragm--.

Signed and Sealed this

Fourteenth Day of October, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office